



plastpro

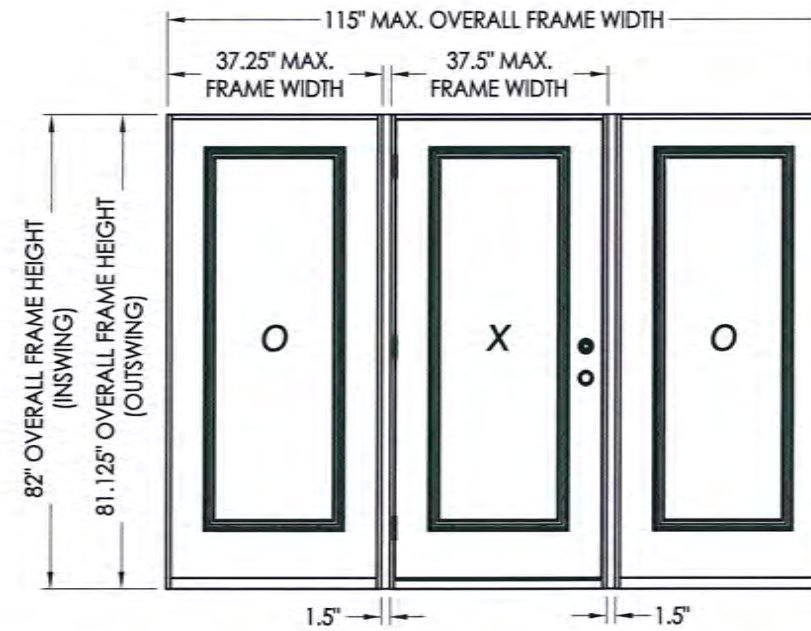
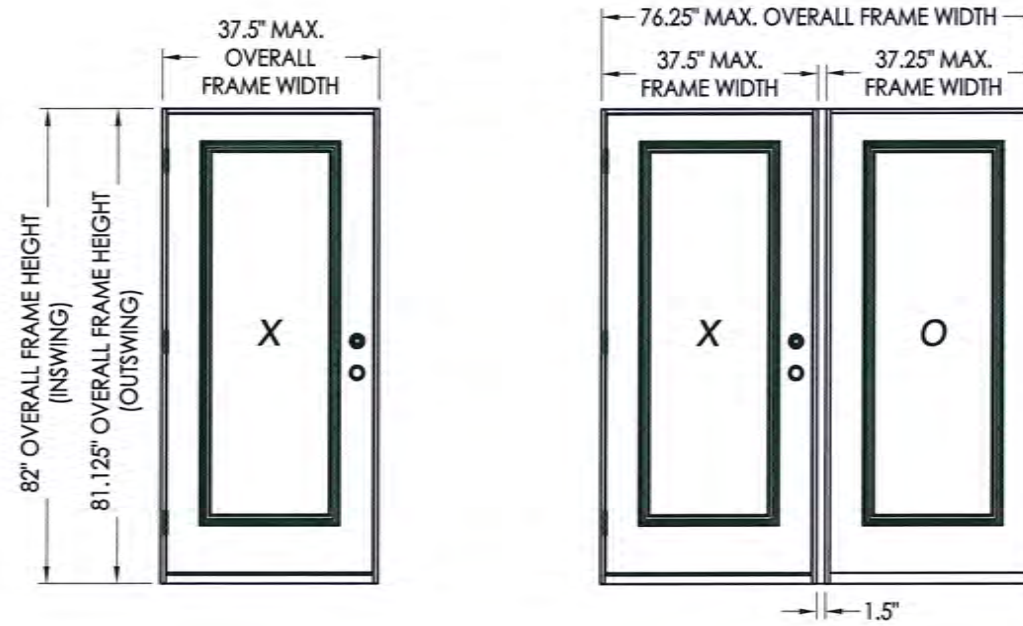
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

GLAZED FIBERGLASS DOORS SINGLES w/ or w/o SIDELITES INSWING / OUTSWING "IMPACT"

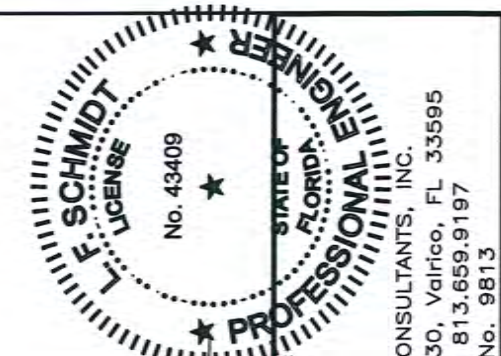
GENERAL NOTES

- This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in areas requiring wind borne debris protection this product complies with Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E1996 and Section 1609.1.2.2 of the FBC.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door & Sidelite panel details
3	Lite frame glazing details
4	Elevations
5	Vertical cross sections
6	Horizontal cross sections
7	Buck anchoring
8	Frame anchoring & hardware details
9	Bill of materials and components



CONFIGURATION	MAX. FRAME DIMENSION	JAMB REINFORCEMENT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 82.0"	N/A	+50.0	-50.0	+50.0	-50.0
OX/XO	74.75" x 82.0"	N/A	+35.0	-40.0	+35.0	-35.0
	75.5" x 82.0"	1X	+40.0	-45.0	+40.0	-40.0
	76.25" x 82.0"	2X	+50.0	-50.0	+50.0	-50.0
OXO	112.0" x 82.0"	N/A	+35.0	-40.0	+35.0	-35.0
	113.5" x 82.0"	1X	+40.0	-45.0	+40.0	-40.0
	115.0" x 82.0"	2X	+50.0	-50.0	+50.0	-50.0



Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

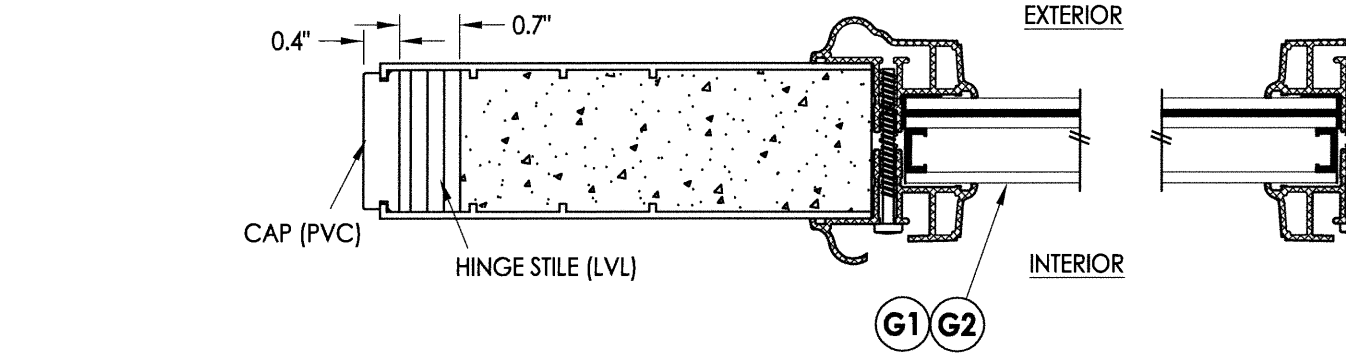
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: PLASTPRO FIBERGLASS DOOR

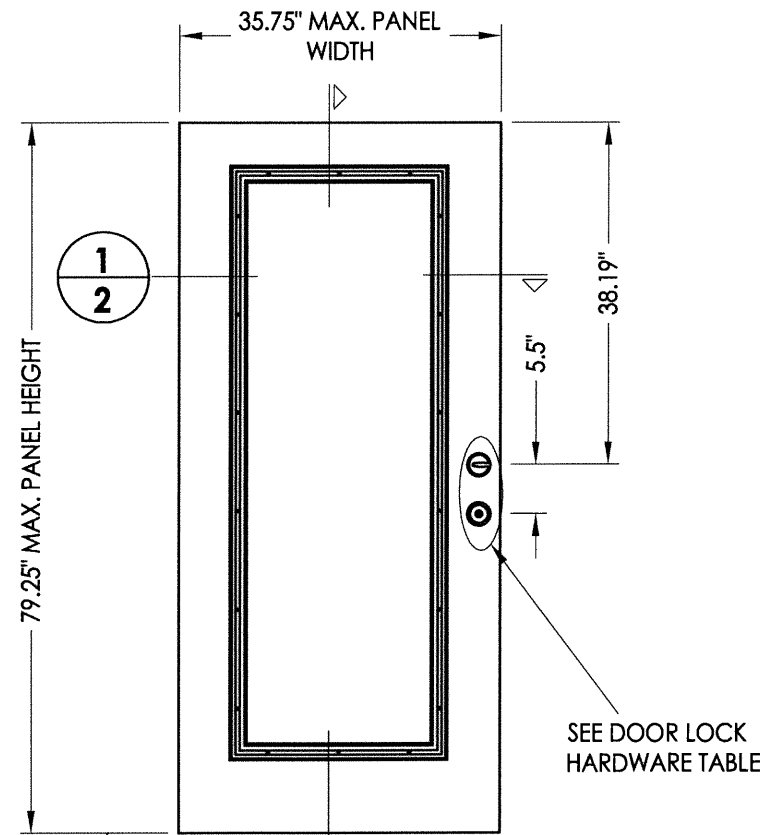
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 10/8/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17347.5
SHEET 1 OF 9

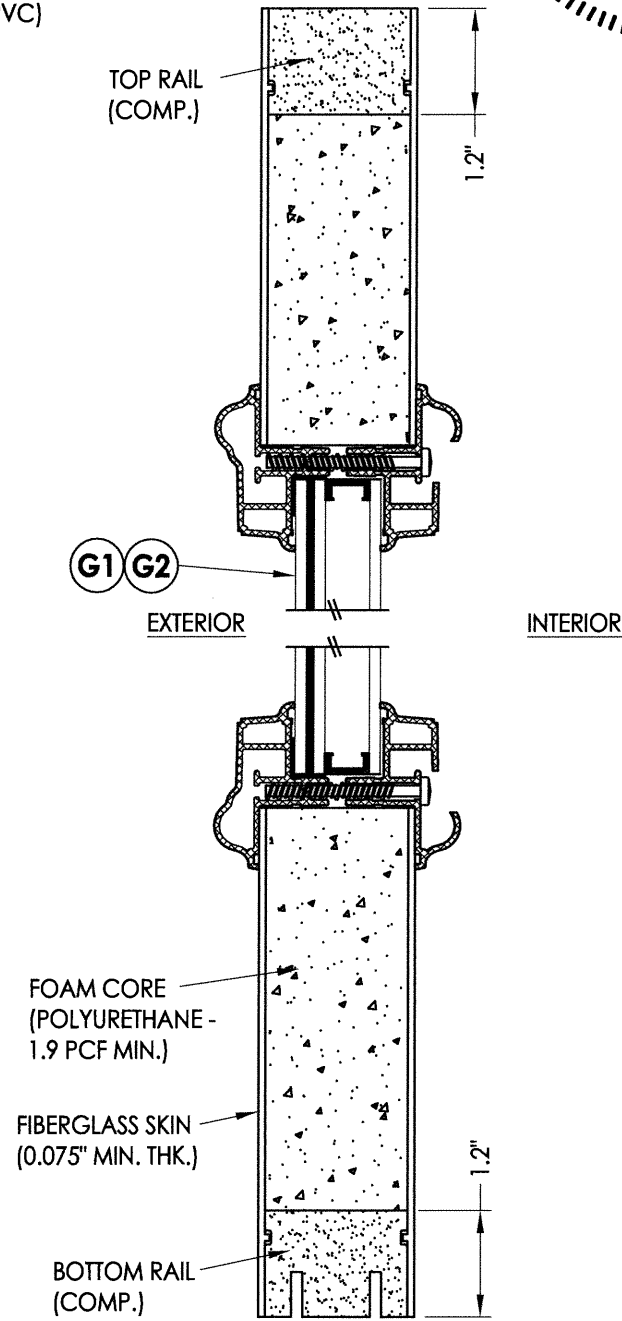


1
2 HORIZONTAL CROSS SECTION

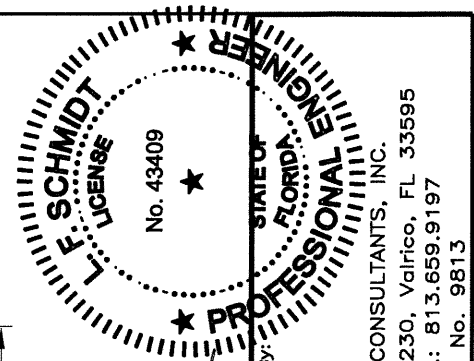


- 40** PLASTPRO DOOR PANEL
- 50** PLASTPRO SIDELITE PANEL

DOOR LOCK HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: SERIES (400) DEADBOLT: SERIES (660)
SCHLAGE	HANDLE SET: "F" SERIES (F60) DEADBOLT: "F" SERIES (F60)
SCHLAGE	KNOB: "F" SERIES (F10) DEADBOLT: "B" SERIES (B60/62)
YALE	KNOB: CIRRUS 100 C DEADBOLT: 820 SINGLE CYLINDER
DEXTER BY SCHLAGE	KNOB: J54 DEADBOLT: JD60



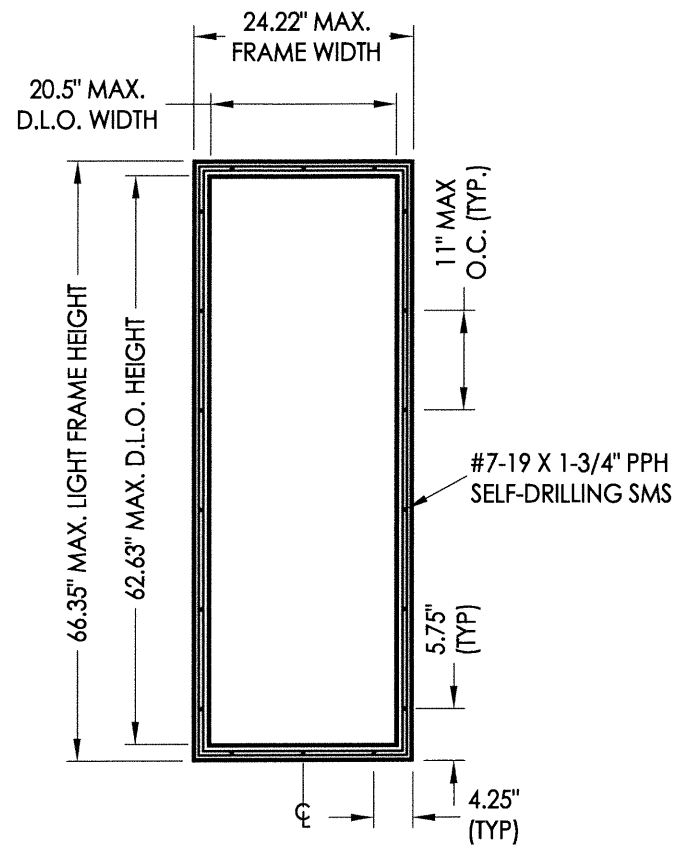
2
2 VERTICAL CROSS SECTION



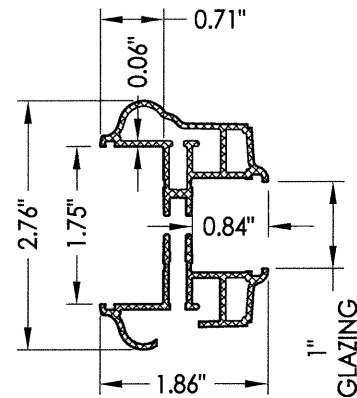
Documents Prepared By:
Lyndon F. Schmidt
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LFS
4.16.15

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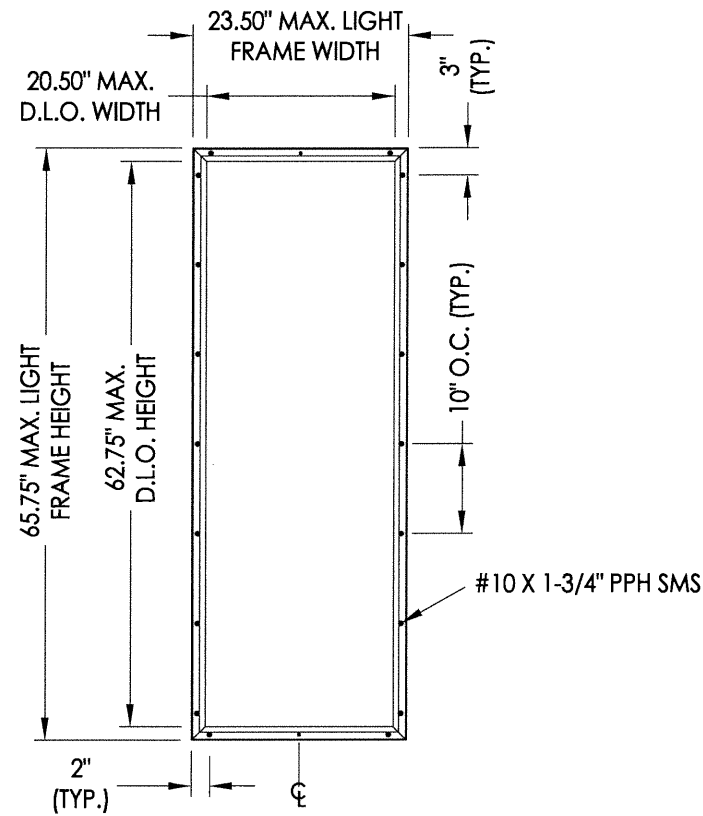
PRODUCT:	PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY:	DOOR & SIDELITE PANEL DETAILS
DATE:	10/8/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17347.5
SHEET	2 OF 9



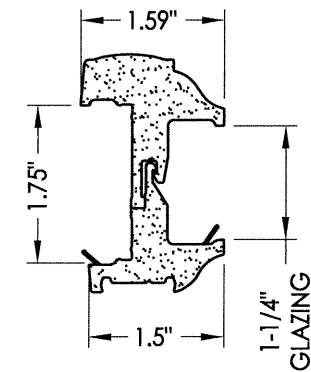
ODL LITE FRAME



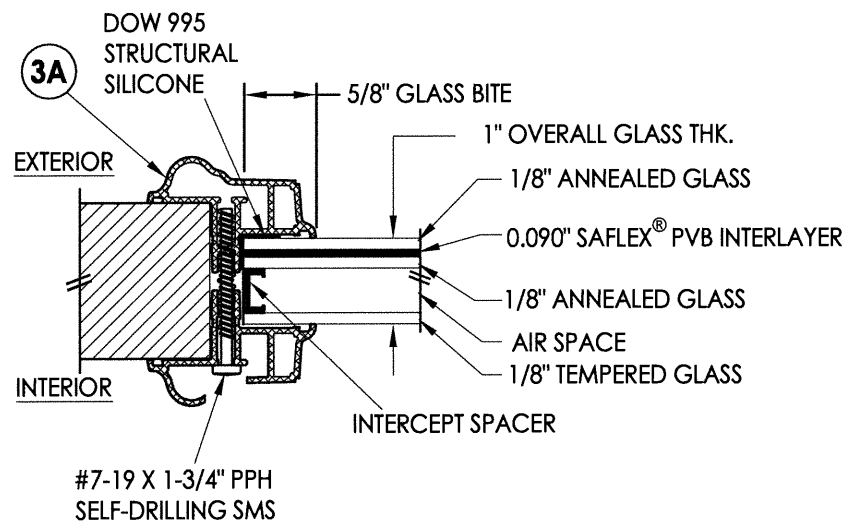
3A ODL LITE FRAME
Aluminum



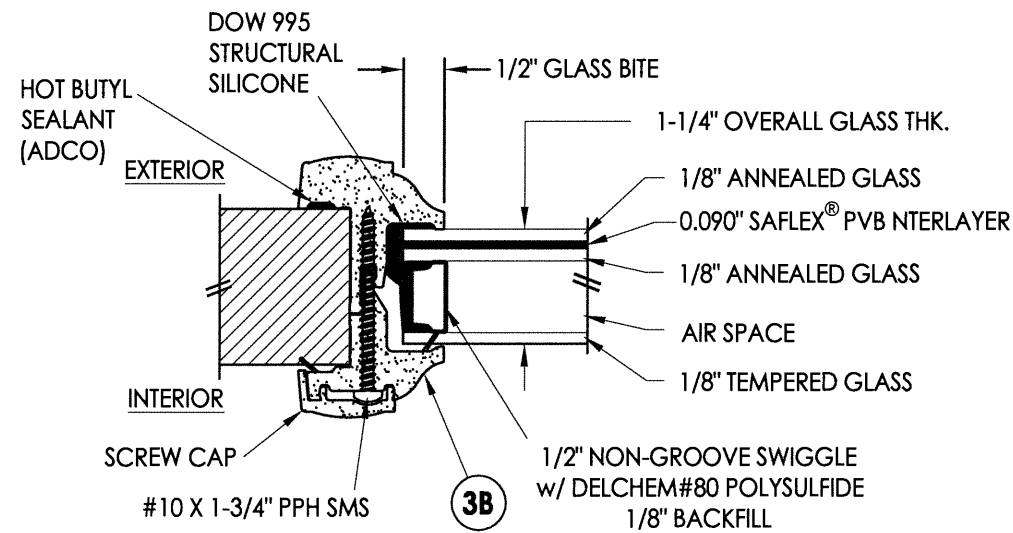
RSL LITE FRAME



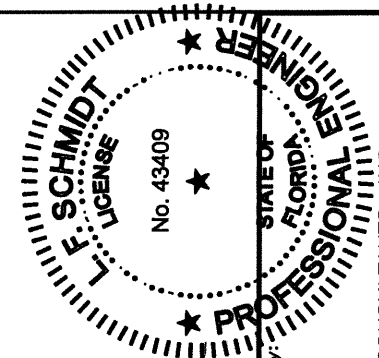
3B RSL LITE FRAME
PVC



G1 GLAZING DETAIL
ODL Lite Frame



G2 GLAZING DETAIL
RSL Lite Frame



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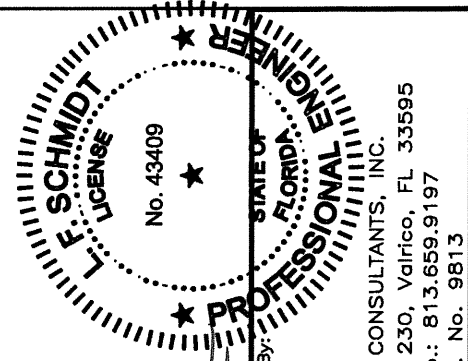
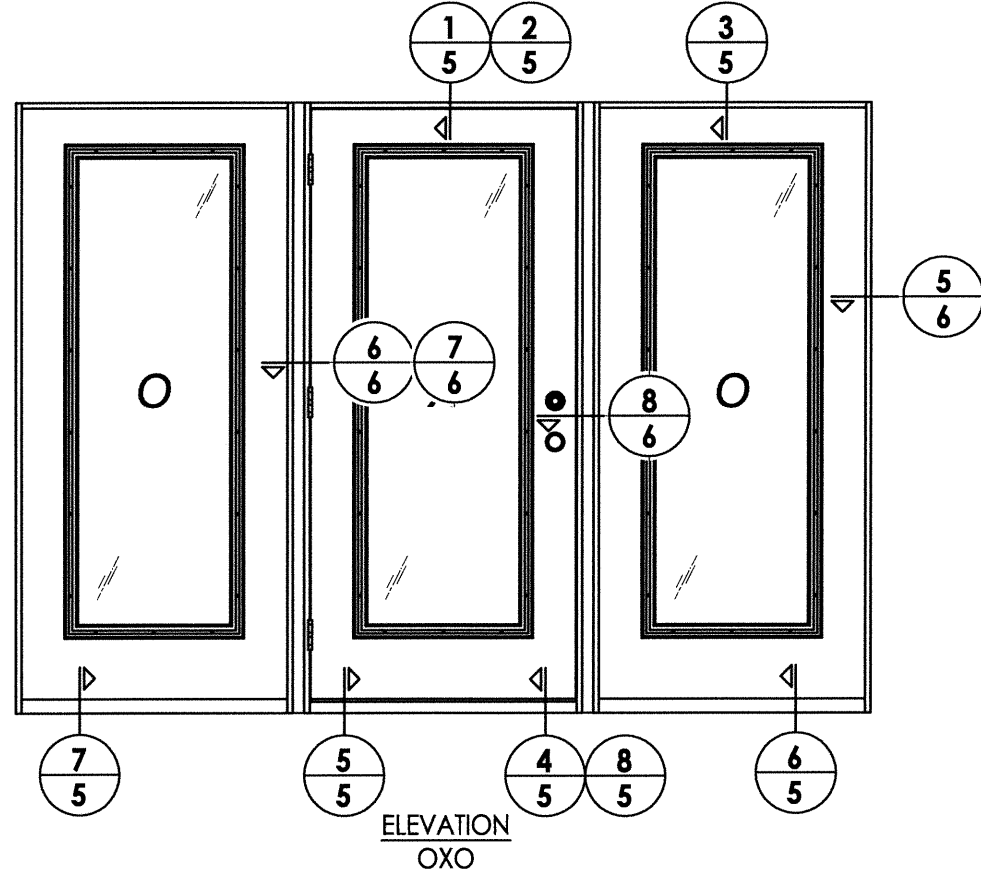
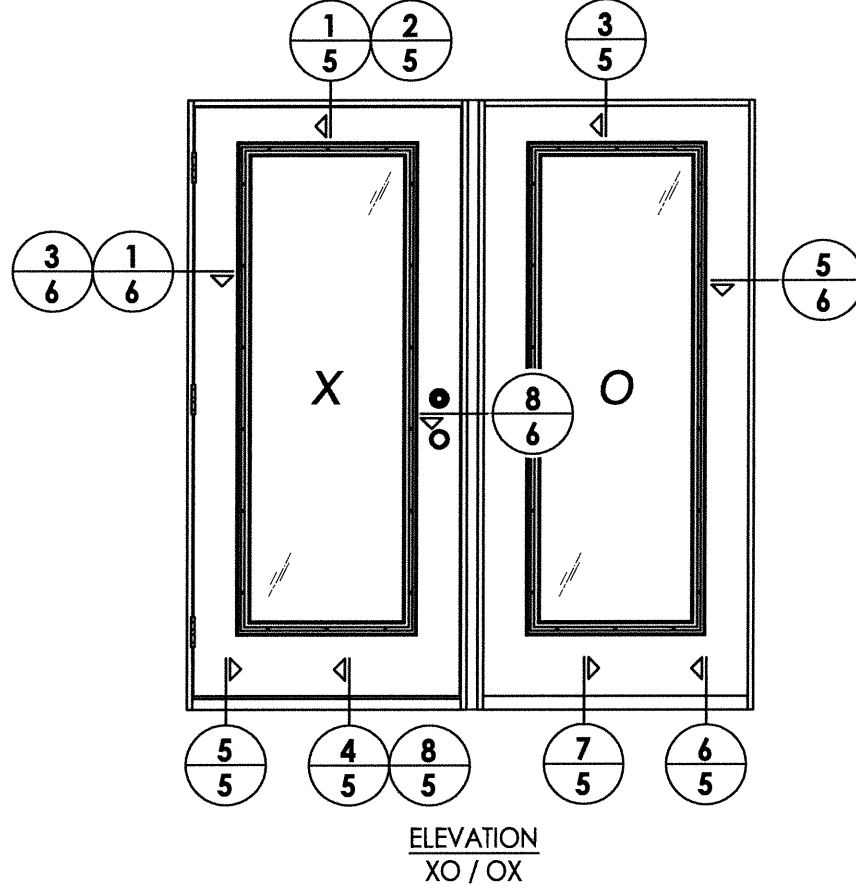
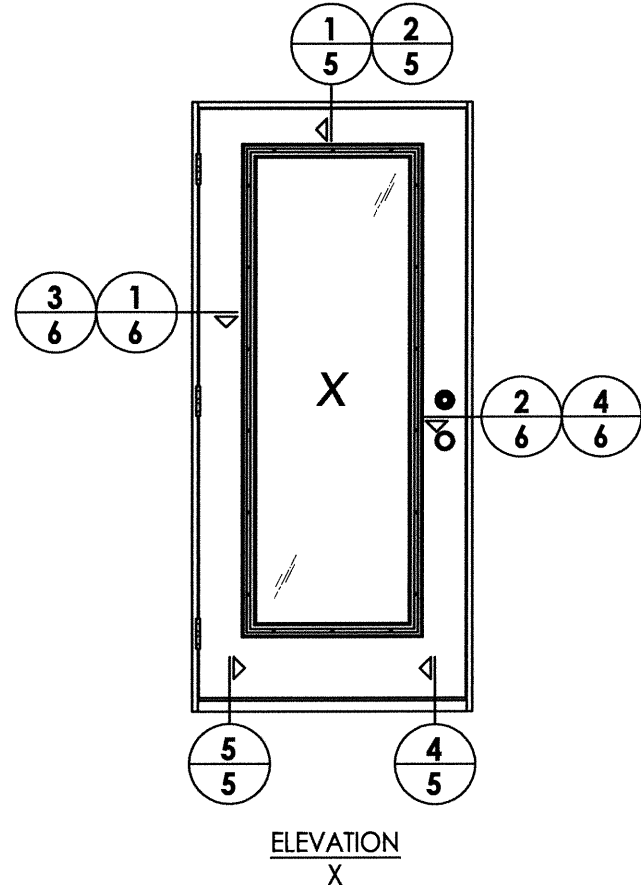
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FBPE C.A. No. 9813

PRODUCT: PLASTPRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
LITE FRAME
GLAZING DETAILS

NO.	DATE	REVISIONS
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC
JK		
BY		

DATE: 10/8/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17347.5
SHEET 3 OF 9

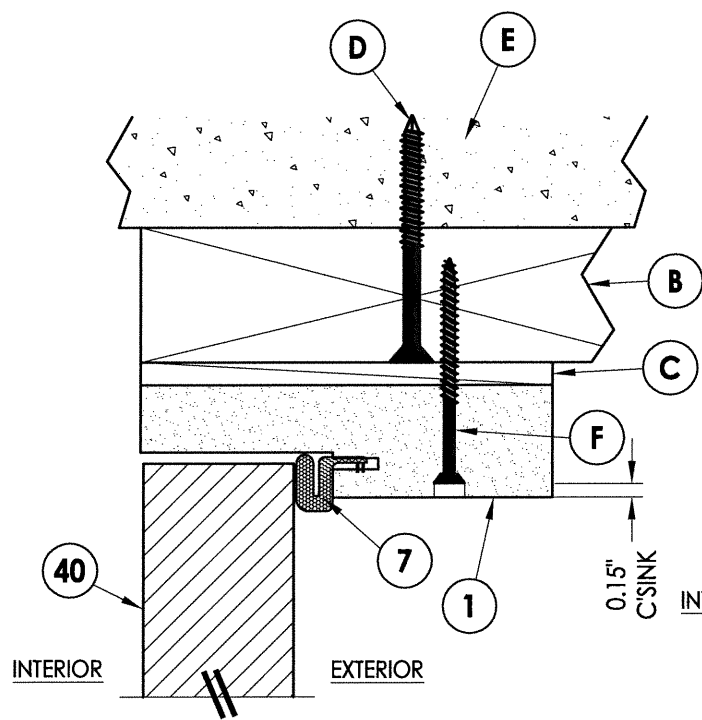


LFS
4.6.14

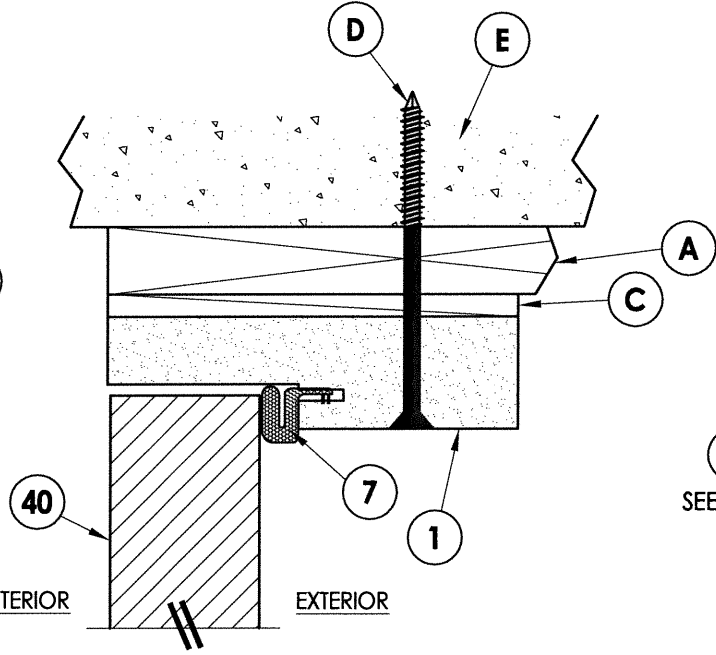
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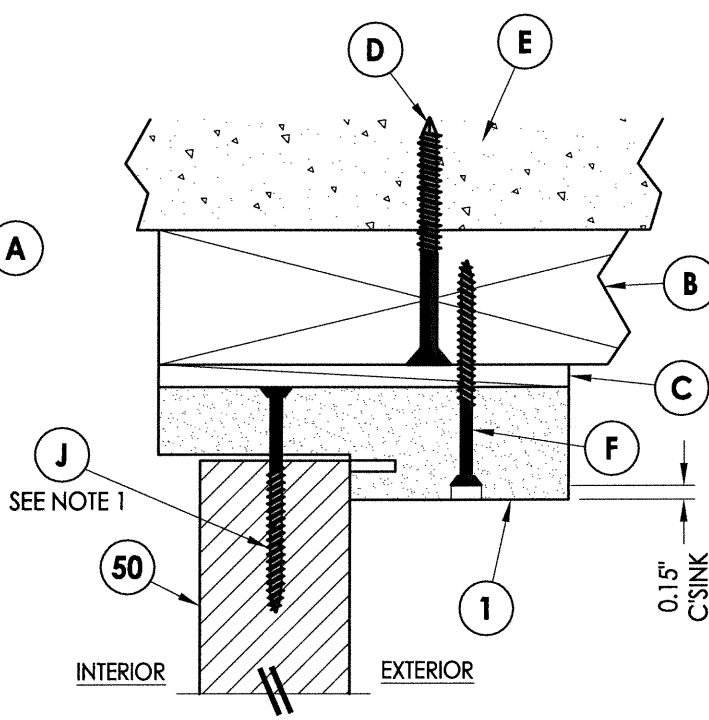
PRODUCT: PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY: ELEVATIONS	
NO.	DATE
1	04/14/15
UPDATE TO 5TH ED. (2014) FBC	
NO.	DATE
JK	BY
JK	BY
REVISIONS	
DATE: 10/8/14	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-17347.5	
SHEET 4 OF 9	



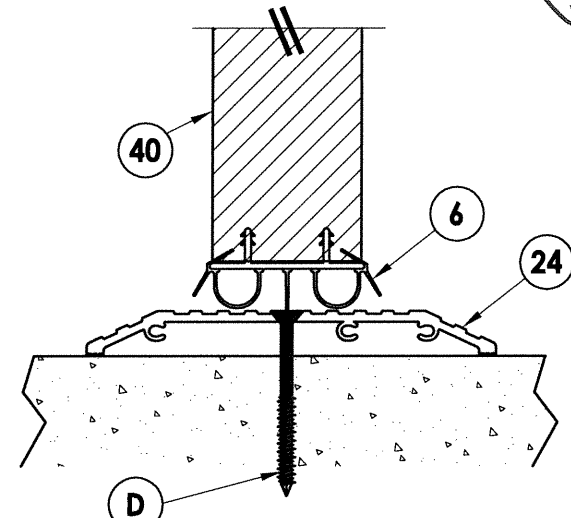
1 VERTICAL CROSS SECTION
5 Inswing shown (Outswing similar)
2X Buck Construction



2 VERTICAL CROSS SECTION
5 Inswing shown (Outswing similar)
1X Buck Construction

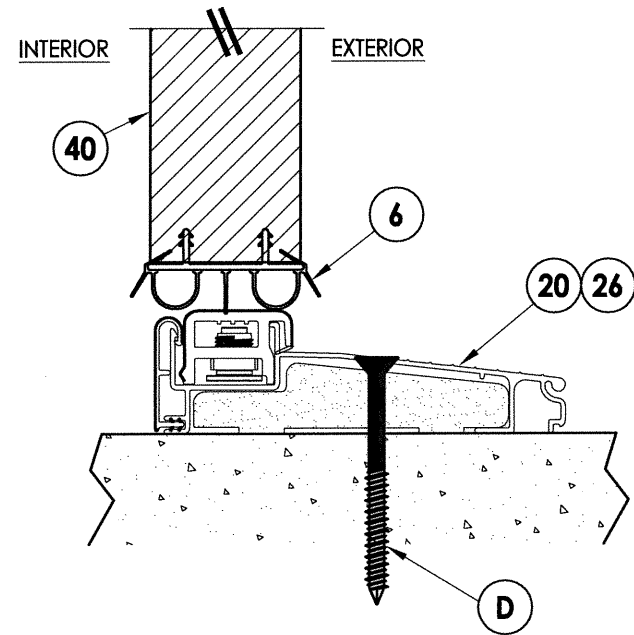


3 VERTICAL CROSS SECTION
5 Inswing shown (Outswing similar)
2X Buck Construction

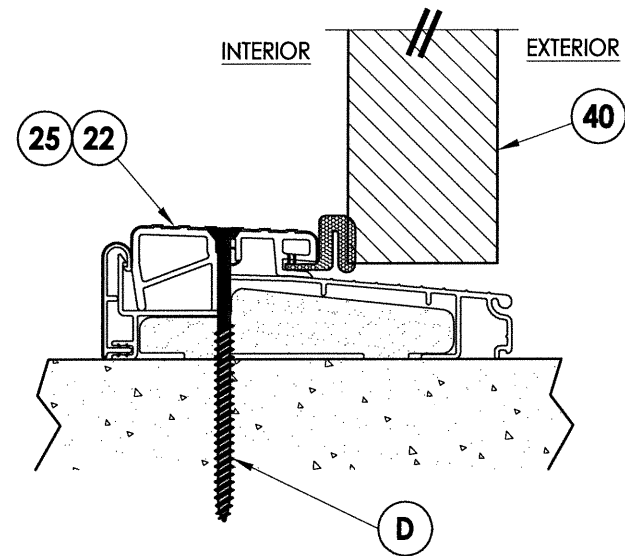


8 VERTICAL CROSS SECTION
5 ADA Sill

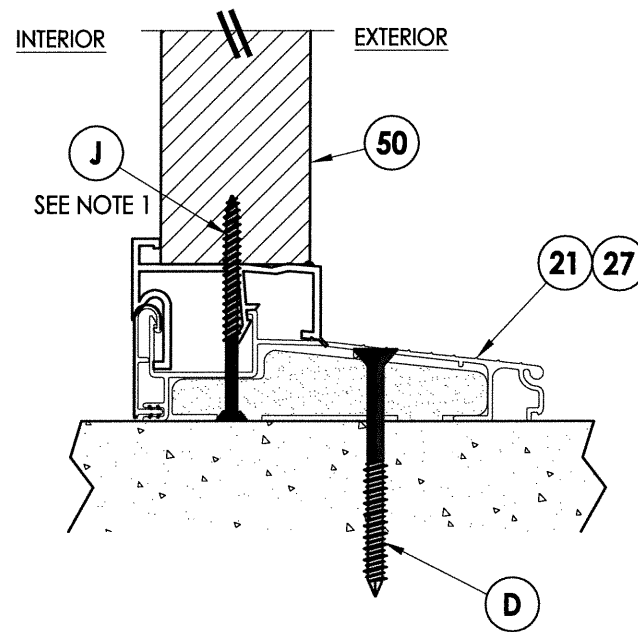
NOTE:
1. Spacing for item J @ head & sill: 6" from each end,
1 @ centerline, 2 additional at 3" & 4.5" from end
adjacent to door.



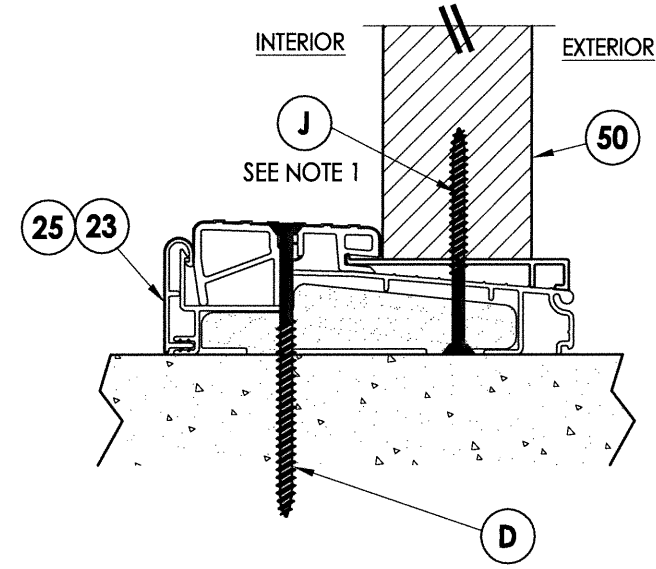
4 VERTICAL CROSS SECTION
5 Inswing sill



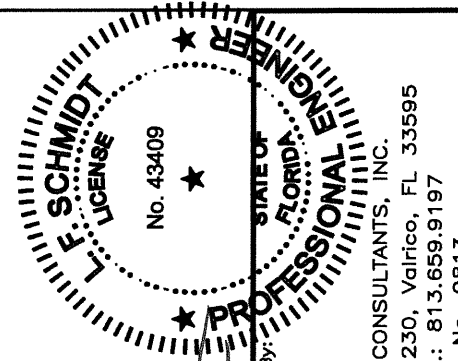
5 VERTICAL CROSS SECTION
5 Outswing sill



6 VERTICAL CROSS SECTION
5 Inswing sill



7 VERTICAL CROSS SECTION
5 Inswing sill



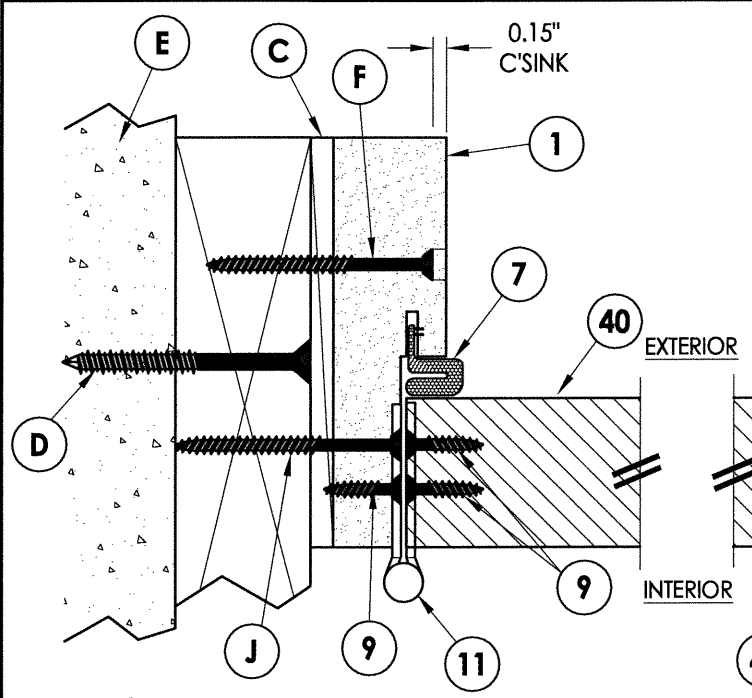
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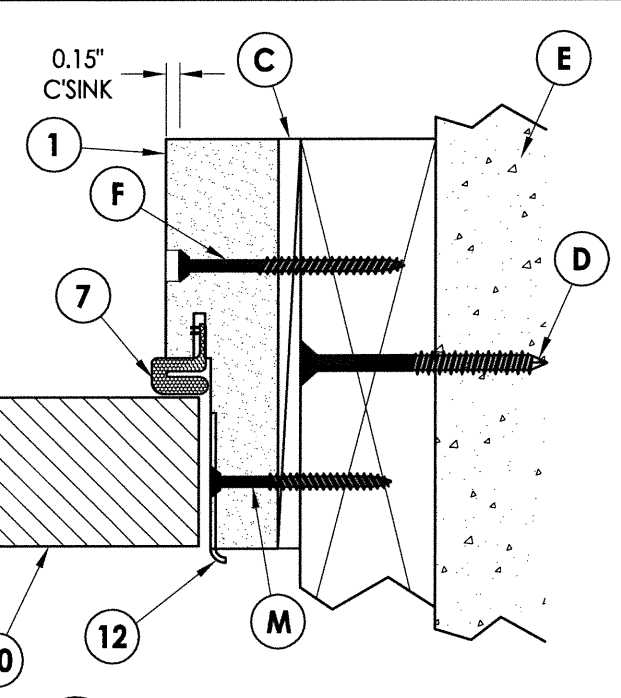
PRODUCT: PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS
1	04/14/15	JK	UPDATE TO 5TH ED. (2014) FBC

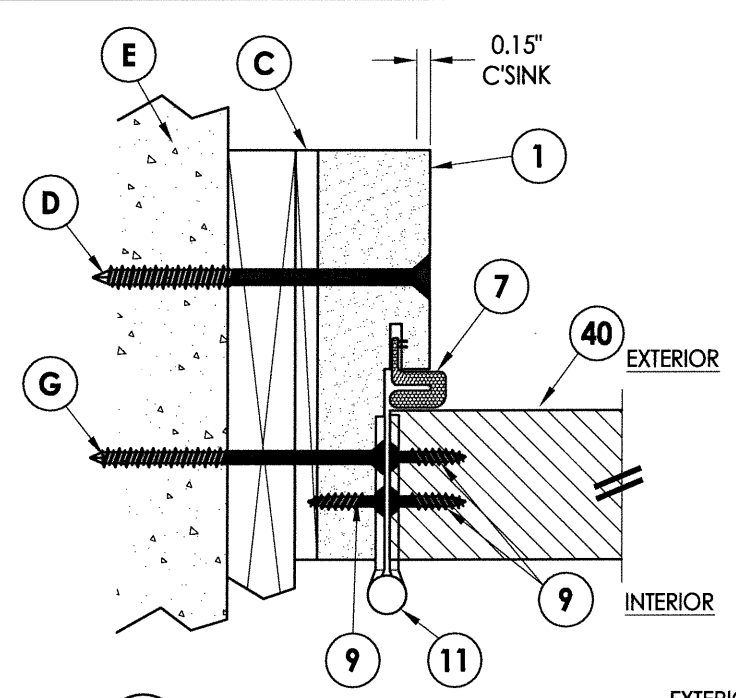
DATE: 10/8/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17347.5
SHEET 5 OF 9



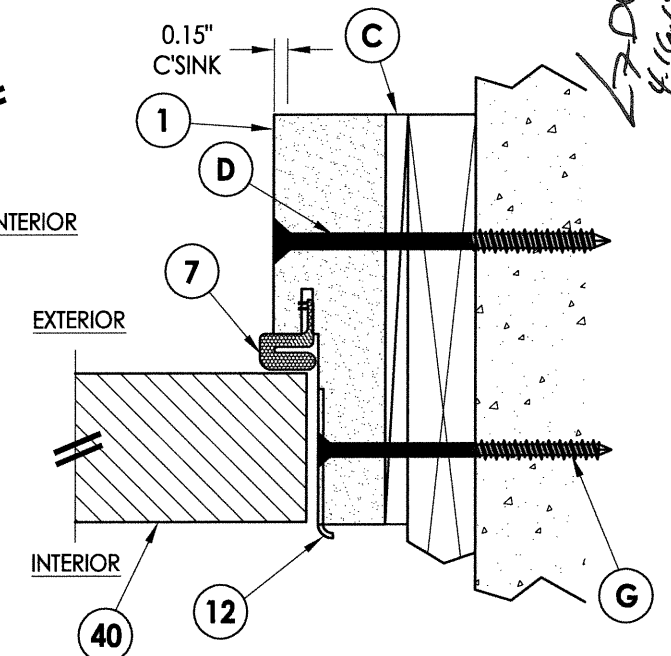
1 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)
 2X Buck Construction



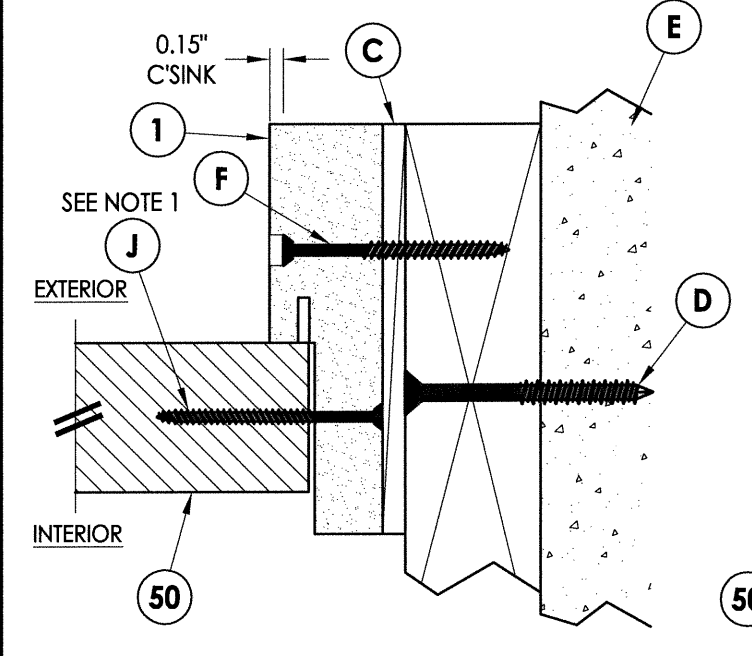
2 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)
 2X Buck Construction



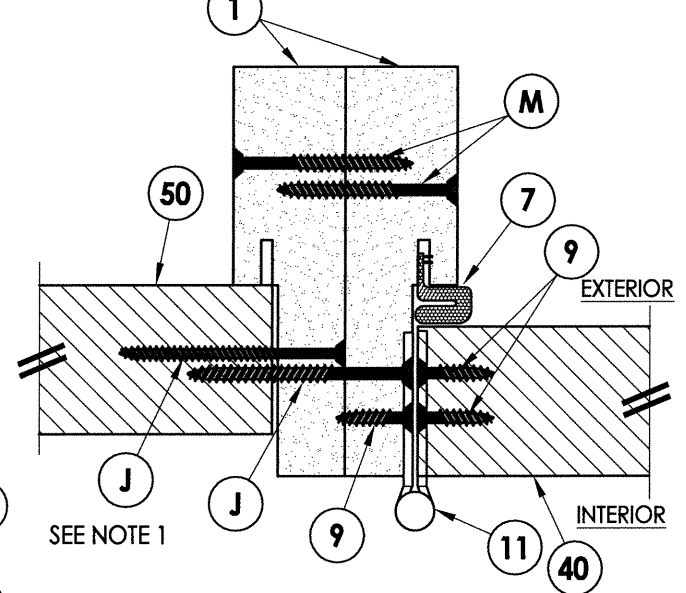
3 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)
 1X Buck Construction



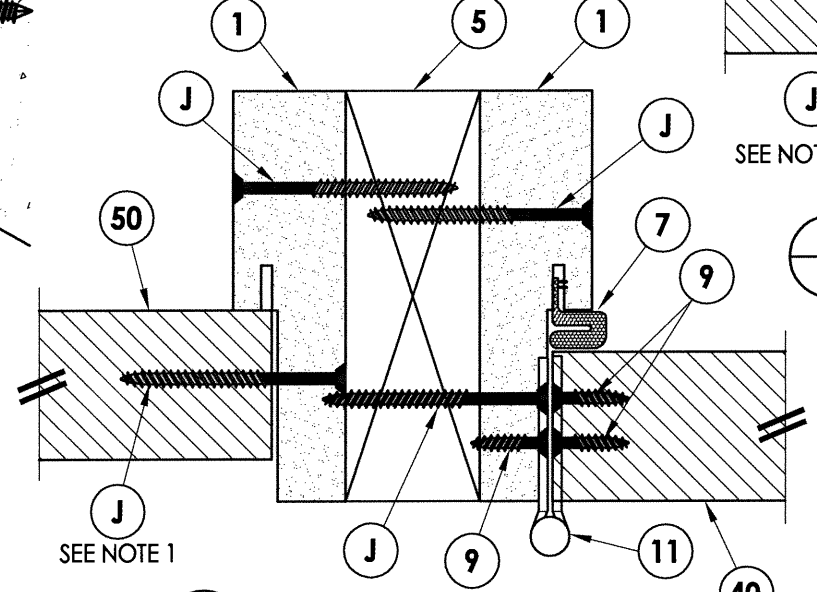
4 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)
 1X Buck Construction



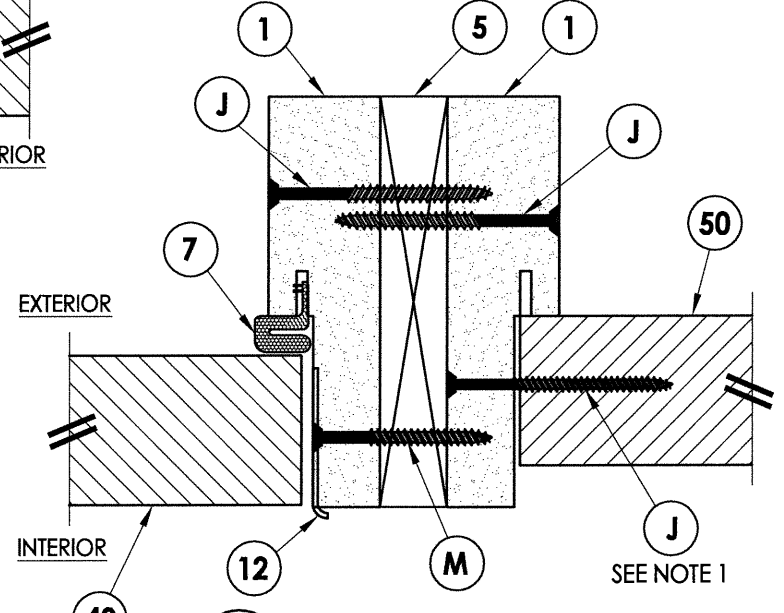
5 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)
 2X Buck Construction



6 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)
 Back to Back Jambs

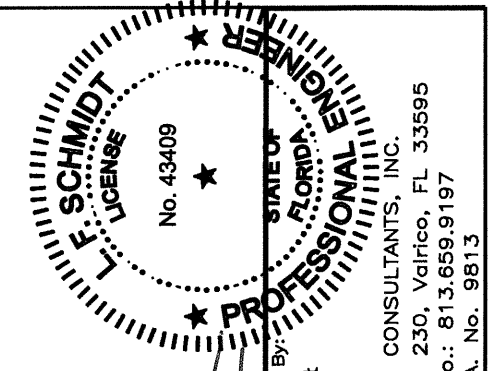


7 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)
 2X Jamb Reinforcement



8 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)
 1X Jamb Reinforcement

NOTE:
 1. Spacing for item J: 6" from each end and 3 more equally spaced along sidelite jamb (5 total).



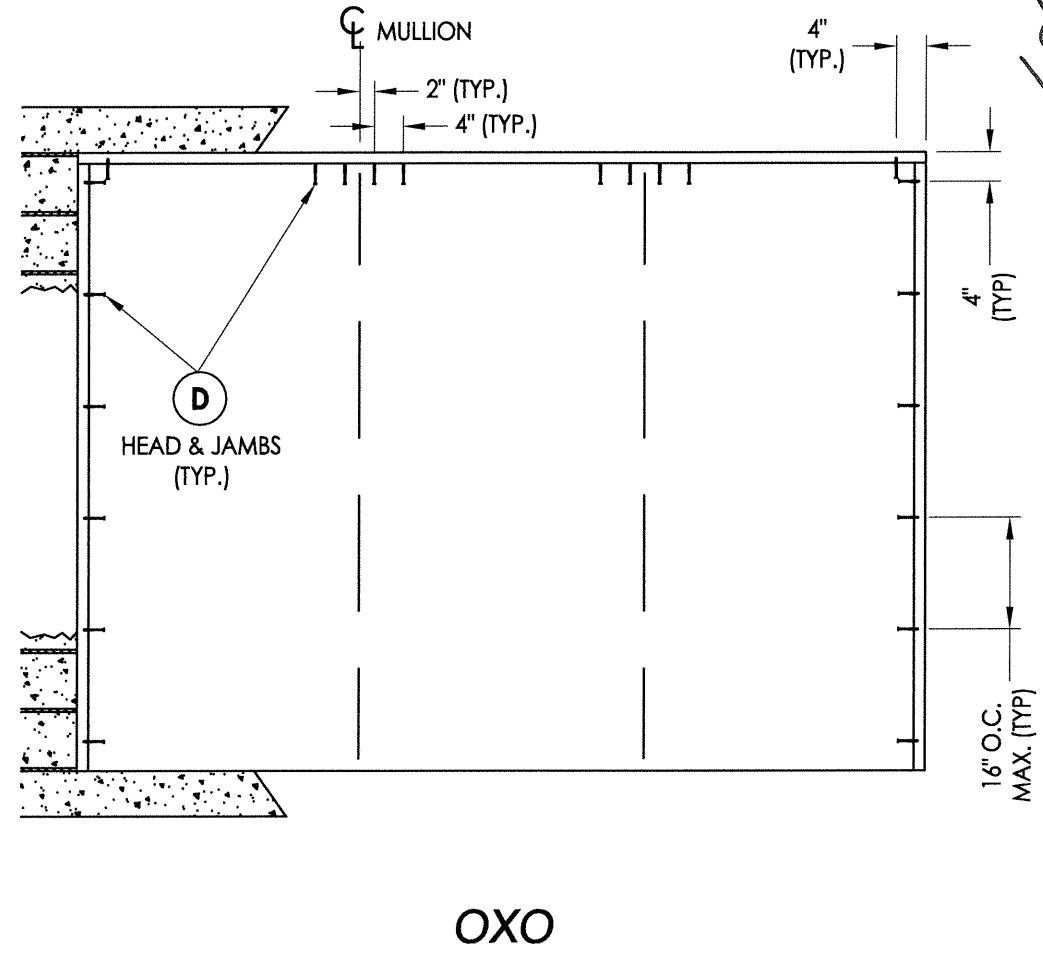
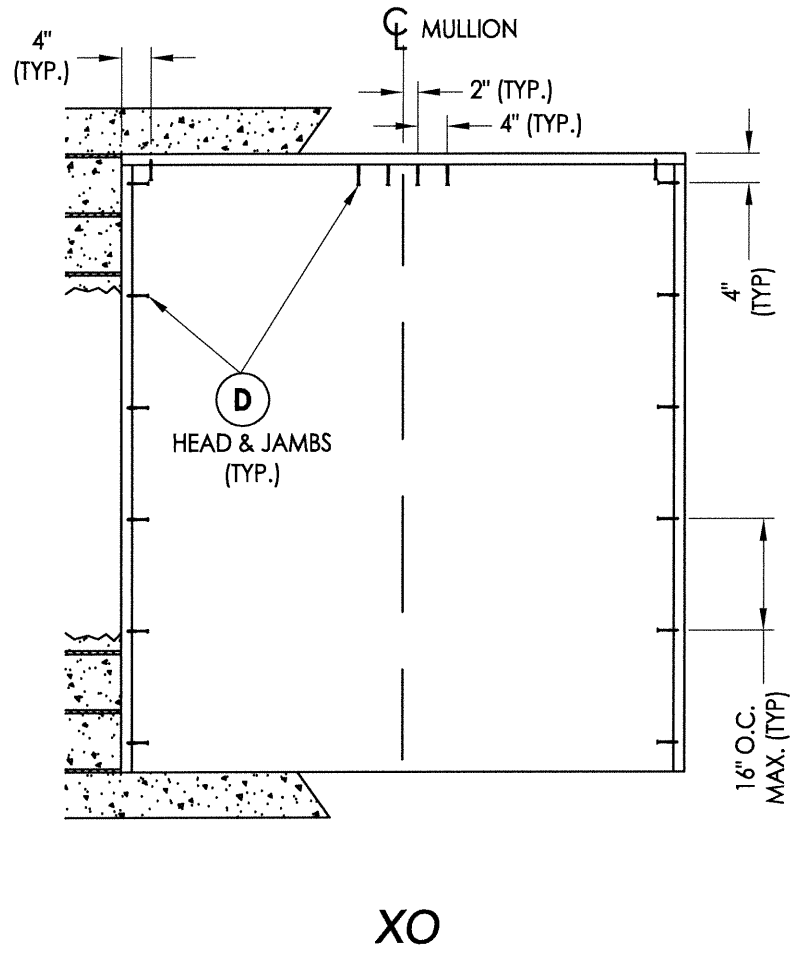
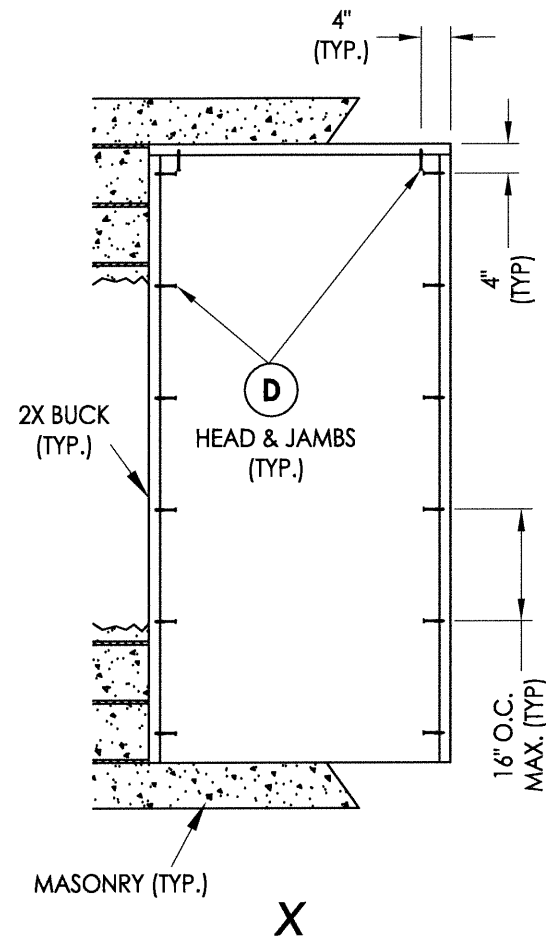
Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409

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 BUILDING CONSULTANTS, INC.
 P.O. Box 230, Vairico, FL 33595
 Phone No.: 813.659.9197
 FBPE C.A. No. 9813

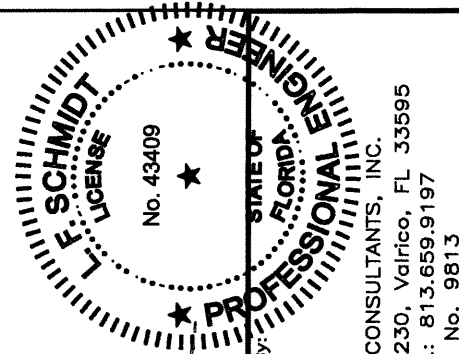
PRODUCT: PLASTPRO FIBERGLASS DOOR
 PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 10/8/14
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: FL-17347.5
 SHEET 6 OF 9



2X BUCK ANCHORING

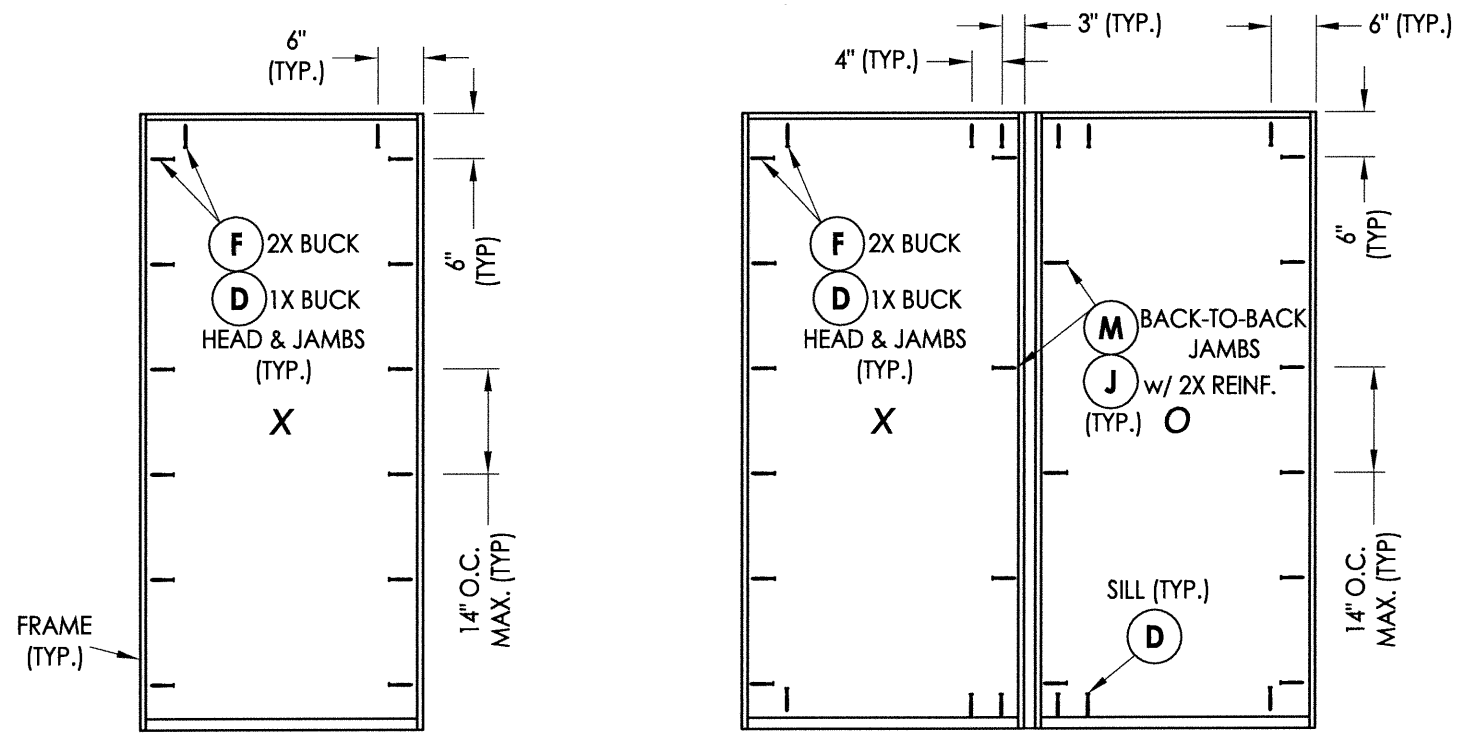


LFS
11/6/15

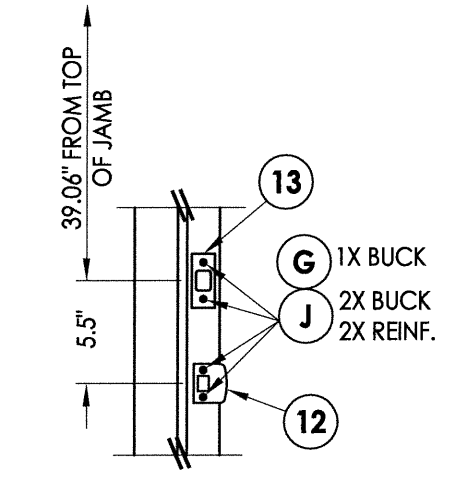
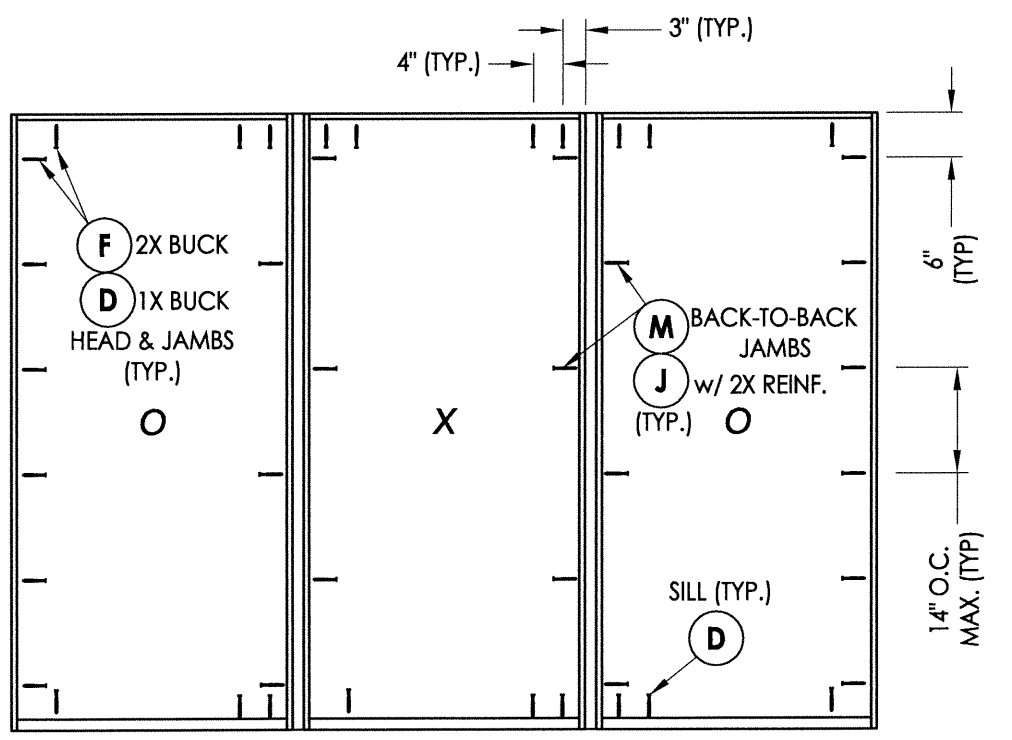
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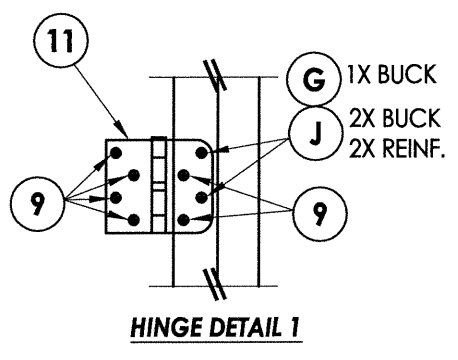
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PART OR ASSEMBLY:		BUCK ANCHORING	
NO.	DATE	JK	BY
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC	
REVISIONS			
DATE: 10/8/14			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17347.5			
SHEET 7 OF 9			



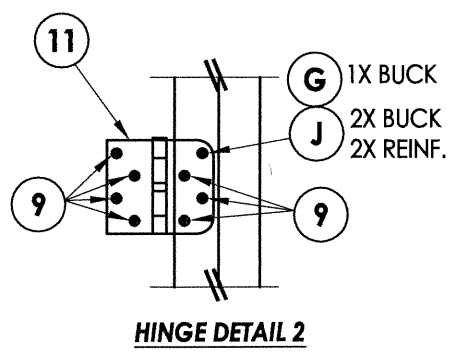
FRAME ANCHORING



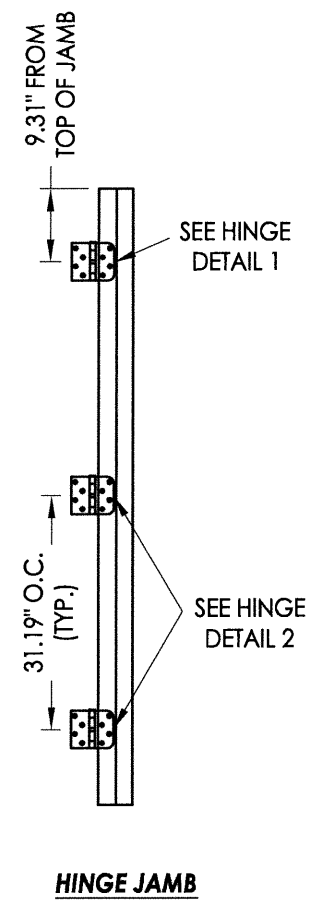
LATCH AND DEADBOLT DETAILS



HINGE DETAIL 1

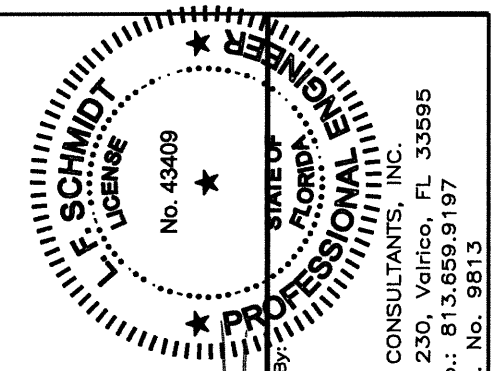


HINGE DETAIL 2



HINGE JAMB

HARDWARE DETAILS



Documents Prepared By:
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P.E. No. 43409
1/6/15

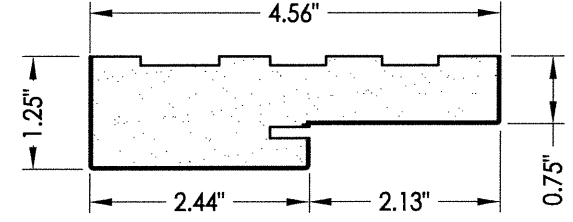
PRODUCT:	PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY:	FRAME ANCHORING & HARDWARE DETAILS

NO.	DATE	REVISIONS
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC
		JK BY

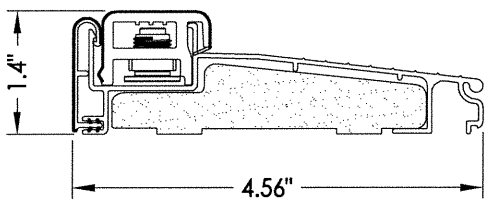
DATE:	10/8/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17347.5
SHEET	8 OF 9

R:\Clients\Plastpro, Inc PERMANENT\Florida Product Approvals\FL-17347\C - Drawings\Current\FL-17347.5-8.dwg, 9.5

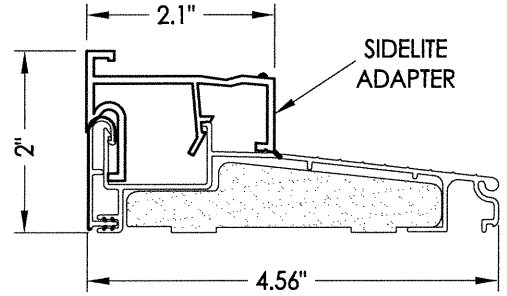
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH CONCRETE SCREW (1-1/4" MIN. EMB.)	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
G	3/16" PFH CONCRETE SCREW (1-1/4" MIN. EMB.)	STEEL
J	#10 X 2-1/2" PFH WOOD SCREW	STEEL
M	#10 X 2" PFH WOOD SCREW	STEEL
1	POLY FIBER JAMB	COMP.
5	2X REINFORCEMENT (G >= 0.55)	WOOD
6	DOOR SWEEP	PVC
7	WEATHERSTRIP (ENDURA FORCE 5)	FOAM
9	#9 x 3/4" PFH WOOD SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
20	INSWING THRESHOLD	ALUM/COMP
21	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
22	OUTSWING THRESHOLD	ALUM/COMP
23	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
24	ADA THRESHOLD	ALUM
25	OUTSWING THRESHOLD	ALUM/COMP
26	INSWING THRESHOLD	ALUM/COMP
40	DOOR PANEL	-
50	SIDELITE PANEL	-



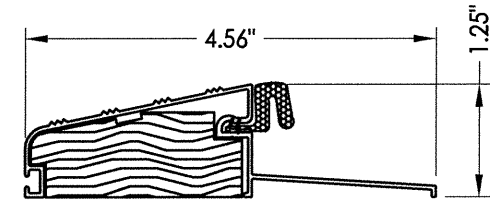
1 POLY FIBER JAMB



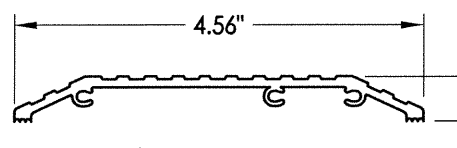
20 INSWING THRESHOLD Endura (Z-Series)



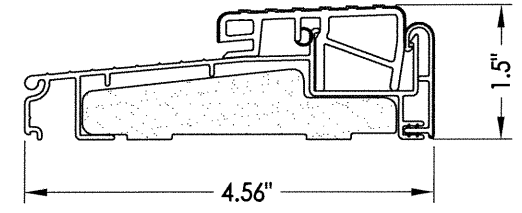
21 INSWING THRESHOLD w/ SIDELITE ADAPTER Endura (Z-Series)



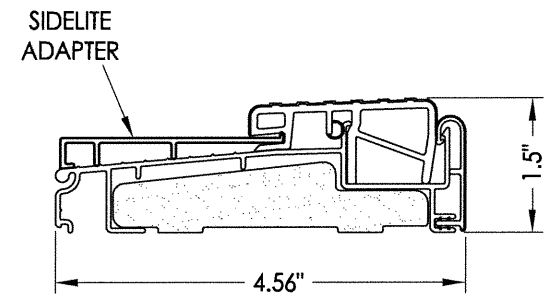
25 OUTSWING THRESHOLD DLP



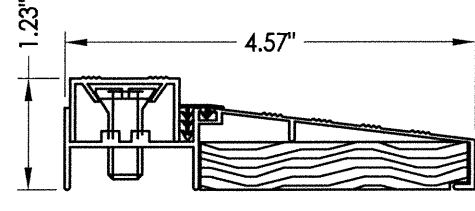
24 ADA THRESHOLD DLP



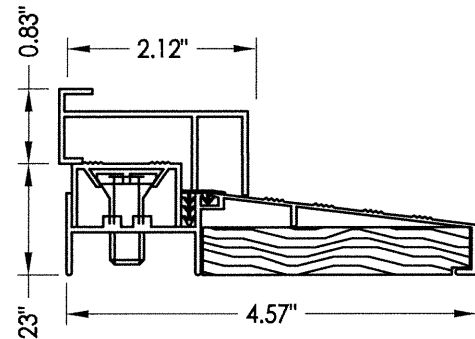
22 OUTSWING THRESHOLD Endura (Z-Series)



23 OUTSWING THRESHOLD w/ SIDELITE ADAPTER Endura (Z-Series)



26 INSWING THRESHOLD DLP



27 INSWING THRESHOLD w/ SIDELITE ADAPTER DLP

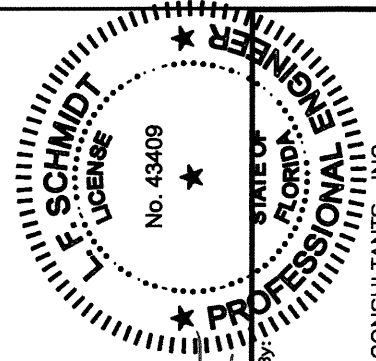
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



Documents Prepared By:
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PRODUCT: PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	REVISIONS
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 10/8/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17347.5
SHEET 9 OF 9